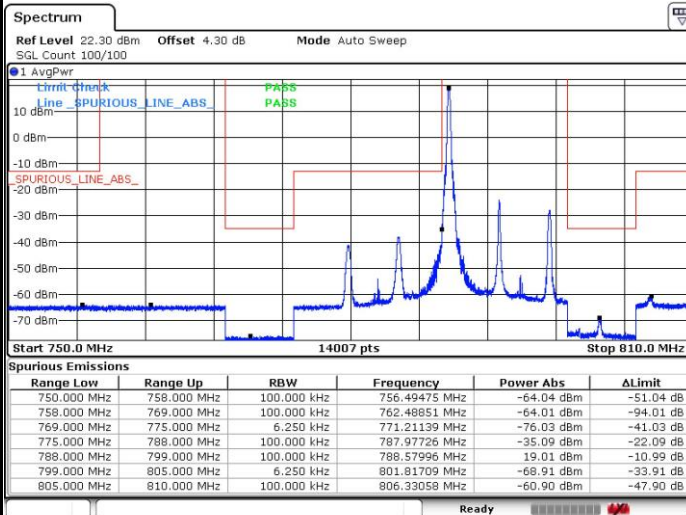




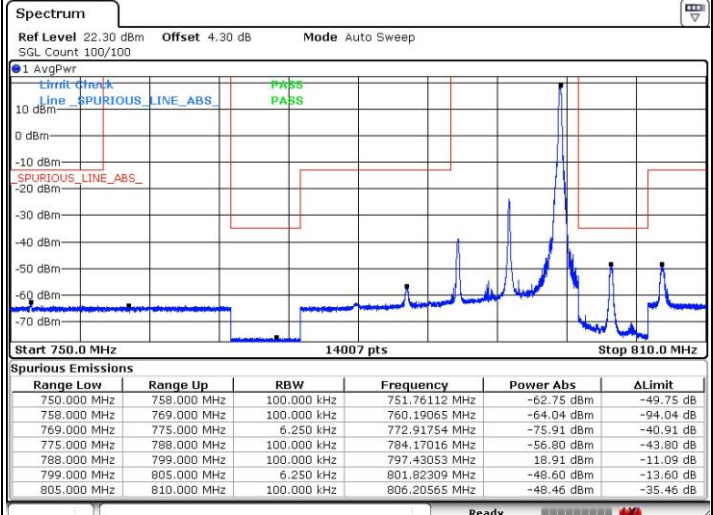
LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



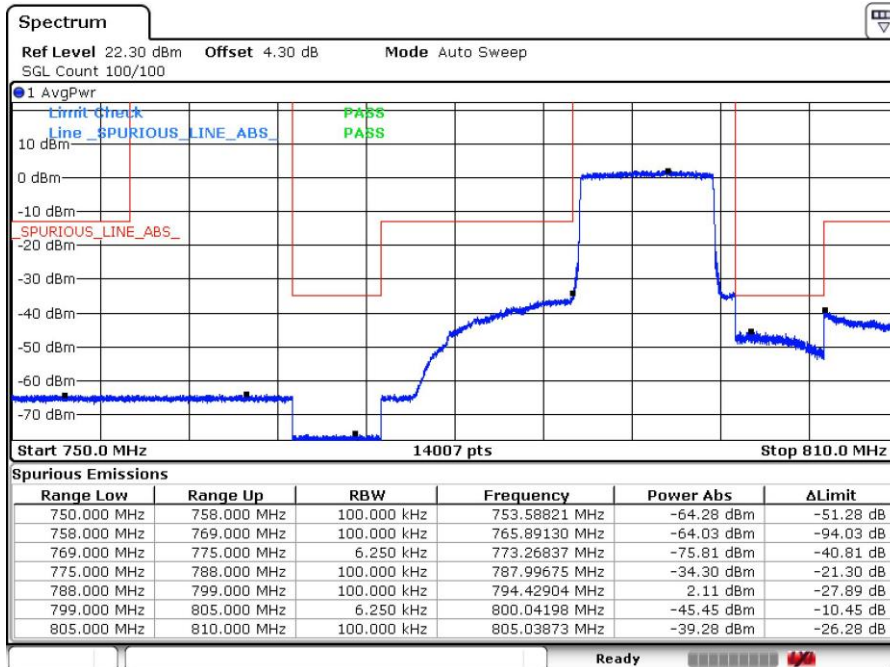
Date: 9 SEP. 2018 02:32:33

Highest Band Edge / 1 RB



Date: 9 SEP. 2018 02:36:00

Band Edge / Full RB



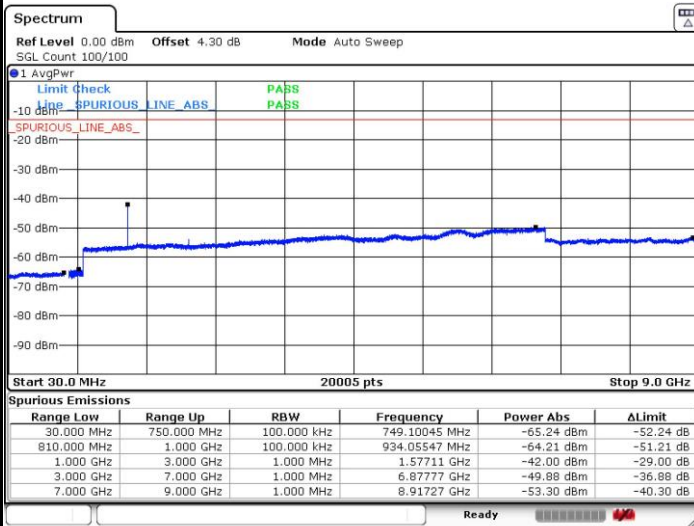
Date: 9 SEP. 2018 02:32:04



Conducted Spurious Emission

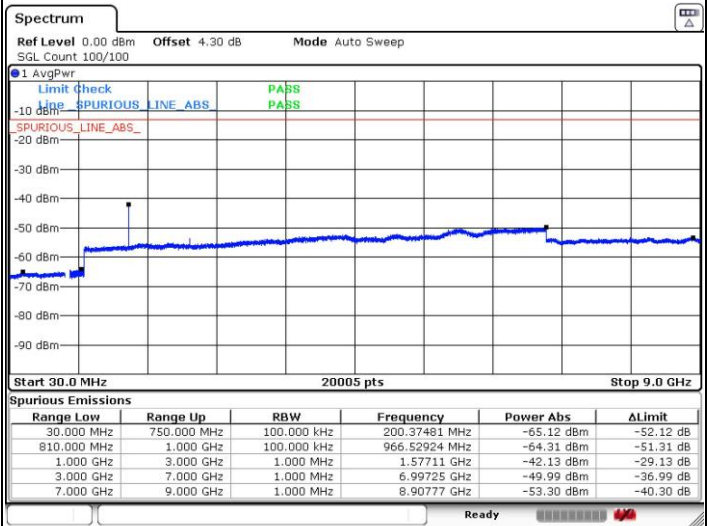
LTE Band 14 / 5MHz

Lowest Channel / QPSK



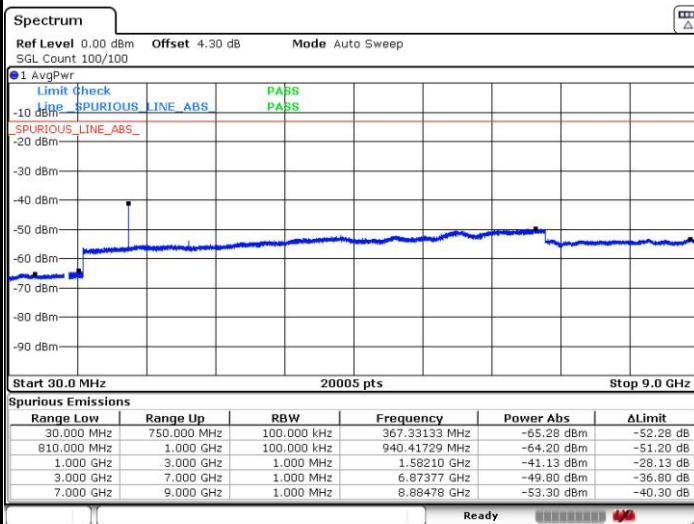
Date: 9 SEP. 2018 04:55:10

Lowest Channel / 16QAM



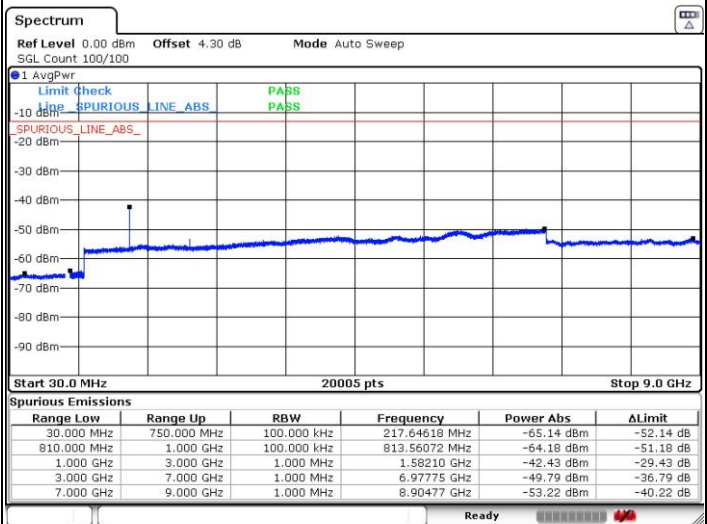
Date: 9 SEP. 2018 04:54:48

Middle Channel / QPSK



Date: 9 SEP. 2018 04:53:00

Middle Channel / 16QAM

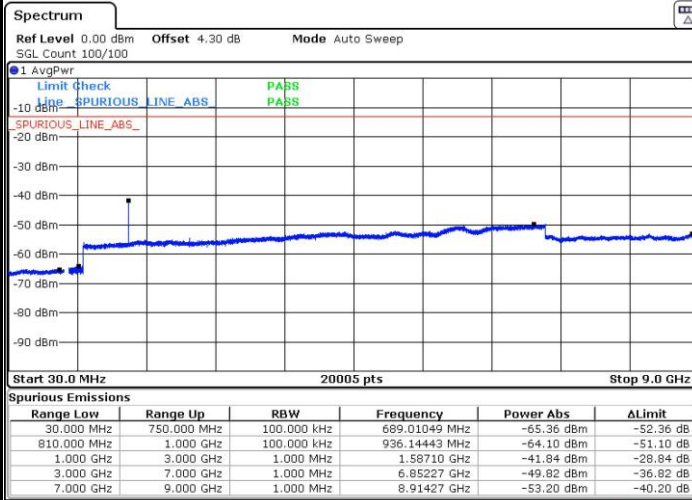


Date: 9 SEP. 2018 04:53:28



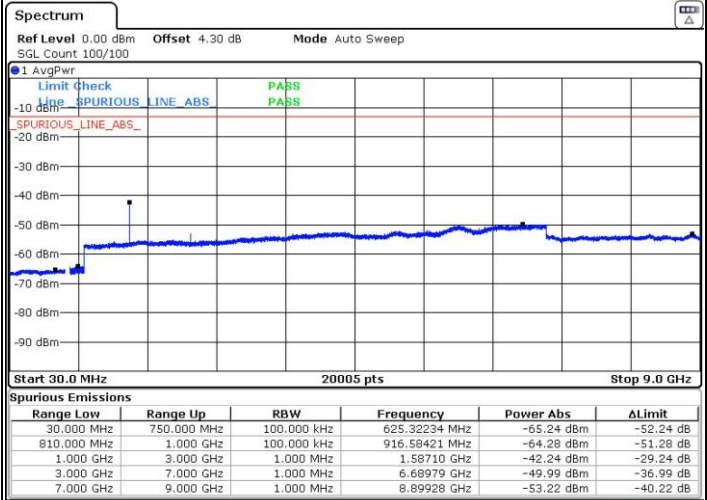
LTE Band 14 / 5MHz

Highest Channel / QPSK



Date: 9 SEP. 2018 04:55:37

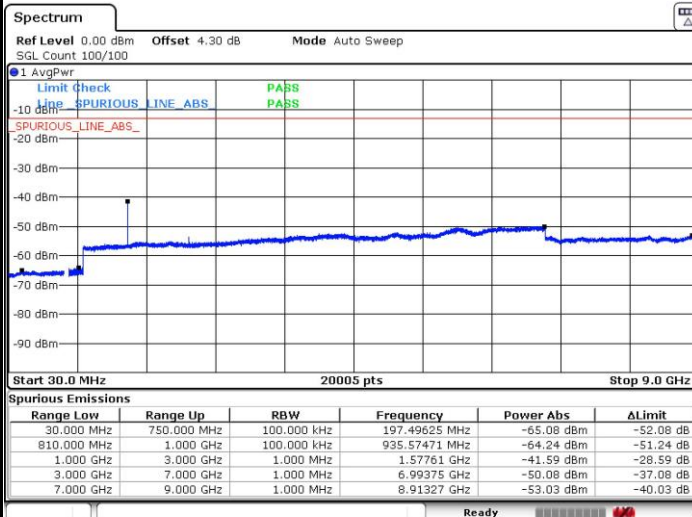
Highest Channel / 16QAM



Date: 9 SEP. 2018 04:56:00

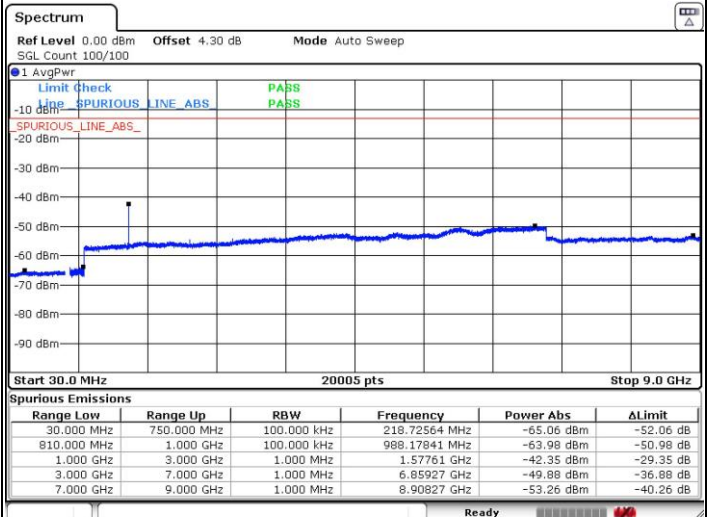
LTE Band 14 / 10MHz

Middle Channel / QPSK



Date: 9 SEP. 2018 04:52:07

Middle Channel / 16QAM

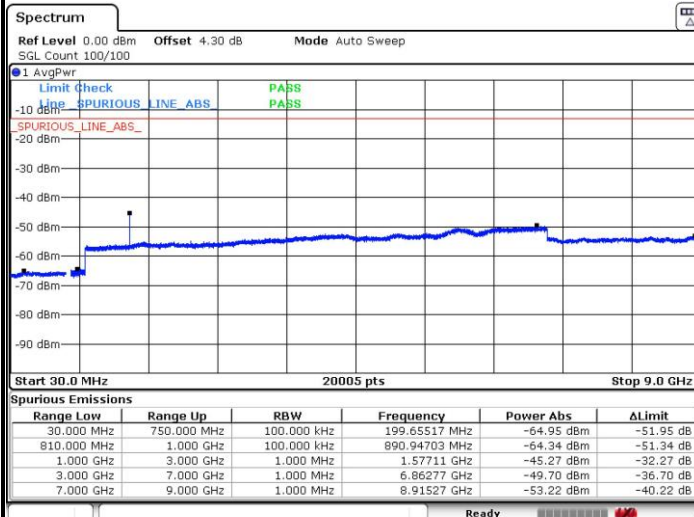


Date: 9 SEP. 2018 04:51:28



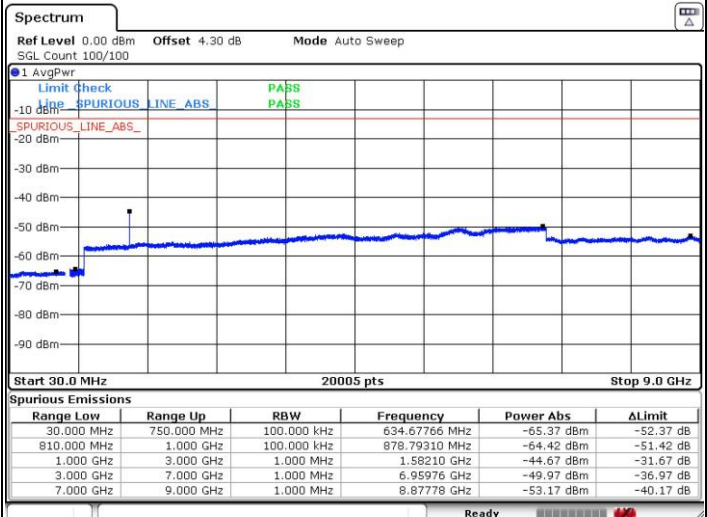
LTE Band 14 / 5MHz

Lowest Channel / 64QAM



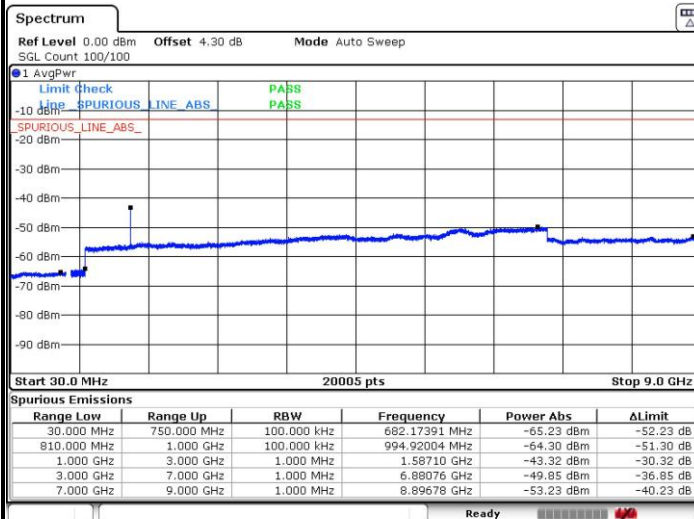
Date: 9 SEP. 2018 04:54:23

Middle Channel / 64QAM



Date: 9 SEP. 2018 04:53:53

Highest Channel / 64QAM



Date: 9 SEP. 2018 04:56:38

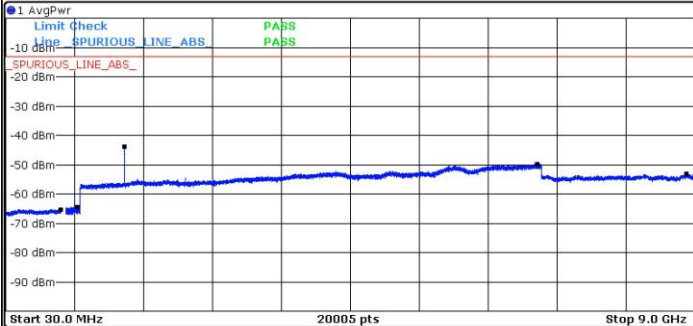


LTE Band 14 / 10MHz

Middle Channel / 64QAM

Spectrum

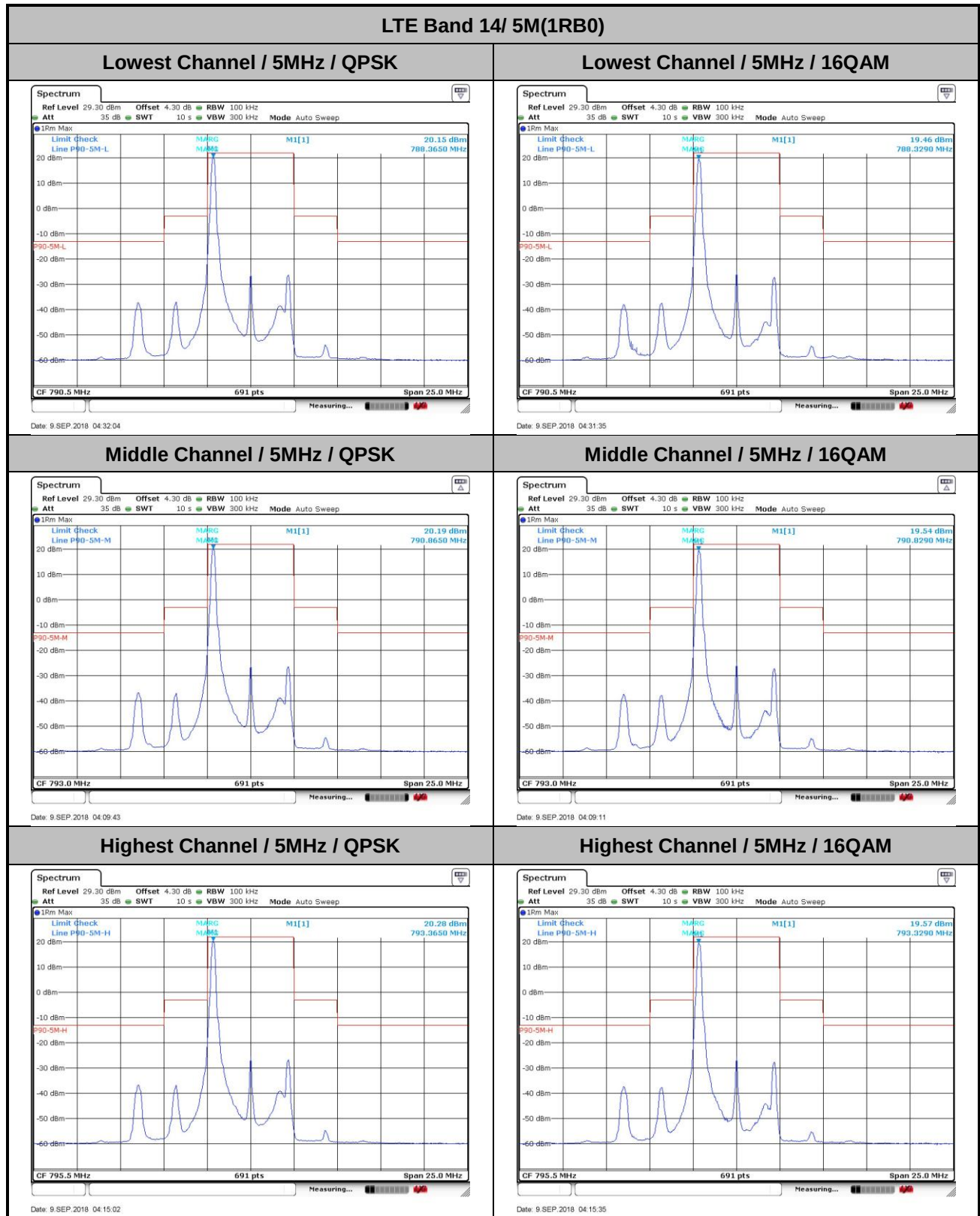
Ref Level 0.00 dBm Offset 4.30 dB Mode Auto Sweep
SQL Count 100/100



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	750.000 MHz	100.000 kHz	746.58171 MHz	-65.34 dBm	-52.34 dB
810.000 MHz	1.000 GHz	100.000 kHz	964.53523 MHz	-64.48 dBm	-51.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.57761 GHz	-44.03 dBm	-31.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94876 GHz	-49.94 dBm	-36.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89028 GHz	-53.25 dBm	-40.25 dB

Ready

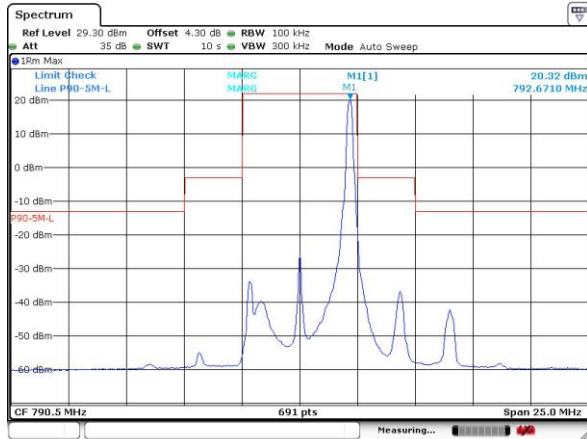
Date: 9 SEP. 2018 04:51:06

**Emission Mask**

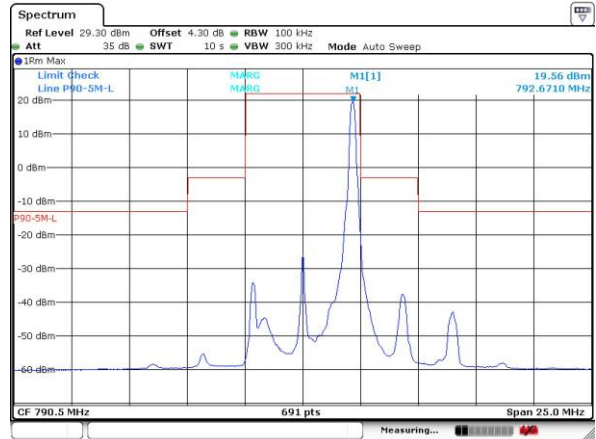


LTE Band 14/ 5M(1RBmax)

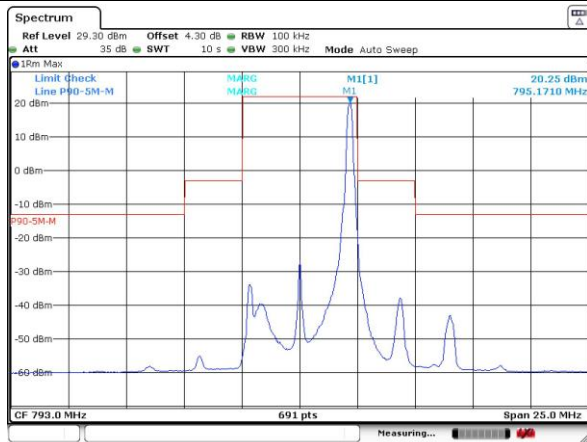
Lowest Channel / 5MHz / QPSK



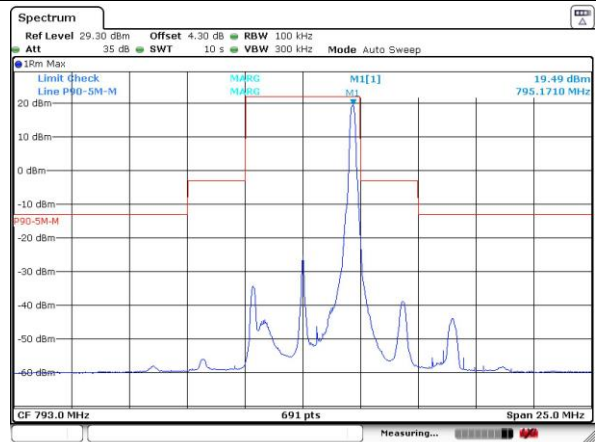
Lowest Channel / 5MHz / 16QAM



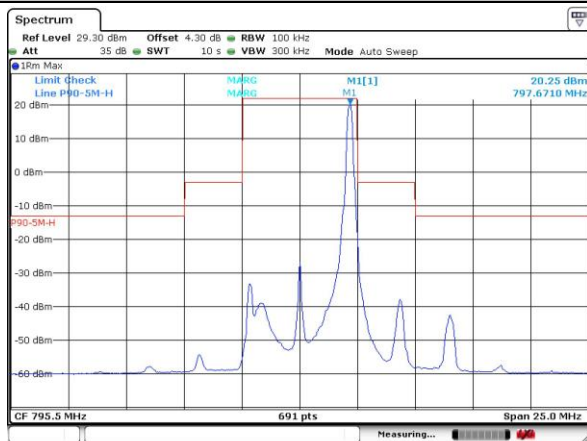
Middle Channel / 5MHz / QPSK



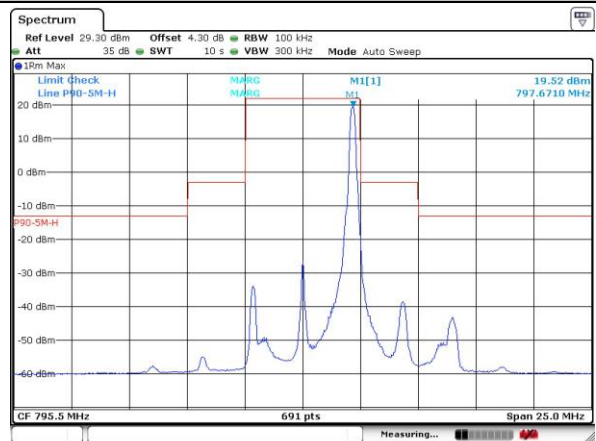
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



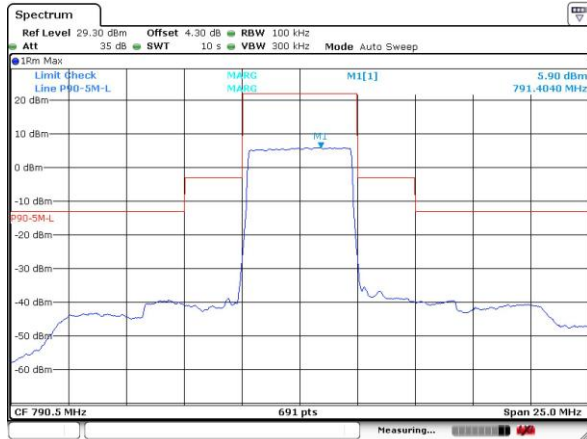
Highest Channel / 5MHz / 16QAM



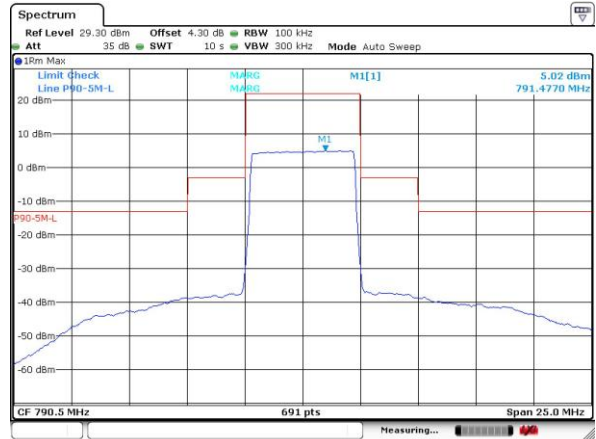


LTE Band 14/ 5M(fullIRB0)

Lowest Channel / 5MHz / QPSK



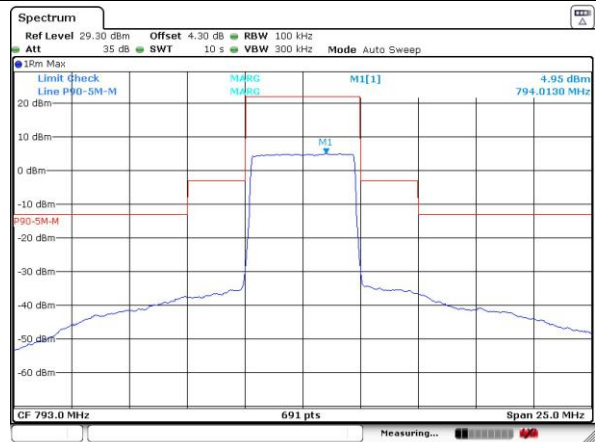
Lowest Channel / 5MHz / 16QAM



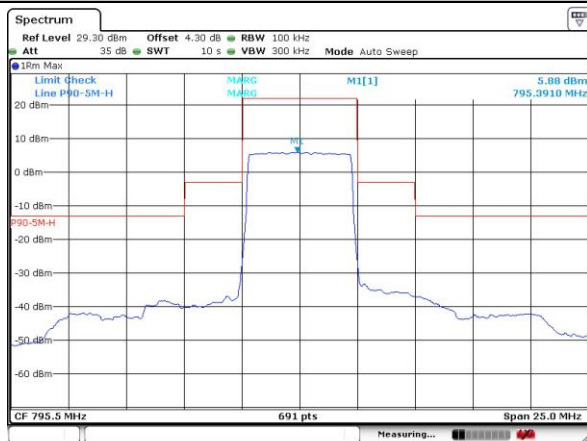
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



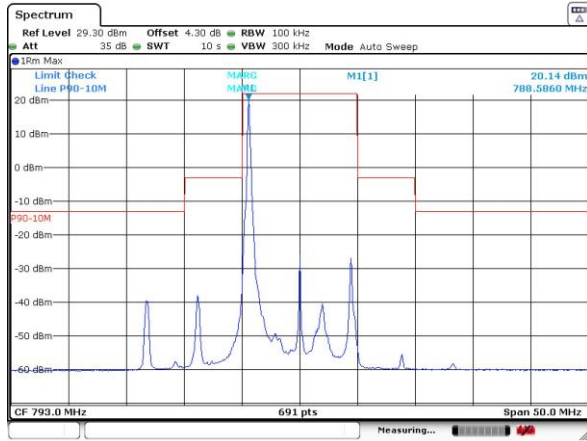
Highest Channel / 5MHz / 16QAM



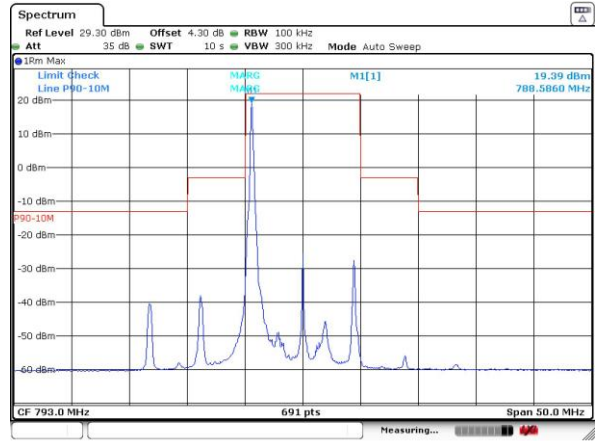


LTE Band 14/ 10MHz

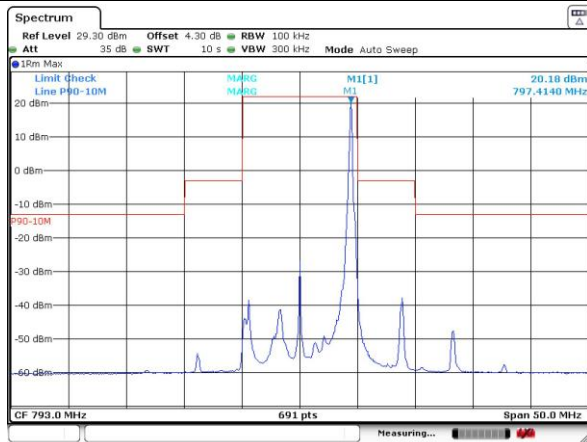
Middle Channel / 1RB0 / QPSK



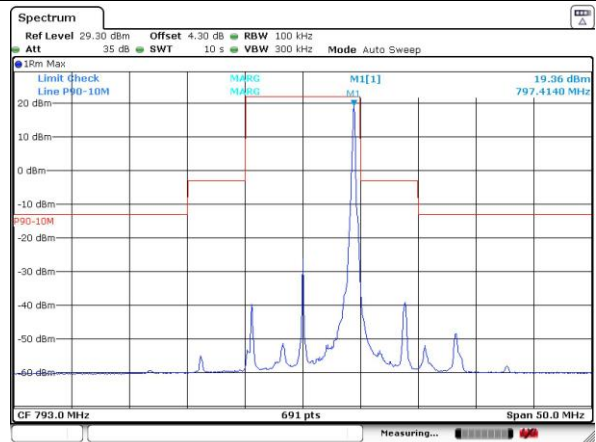
Middle Channel / 1RB0 / 16QAM



Middle Channel / 1RBmax / QPSK



Middle Channel / 1RBmax / 16QAM



Middle Channel / fullRB0 / QPSK



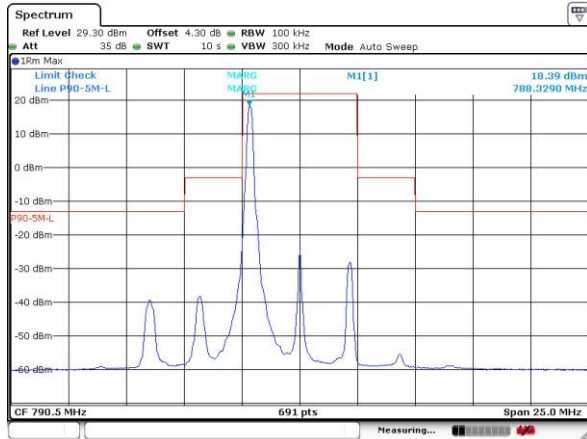
Middle Channel / fullRB0 / 16QAM



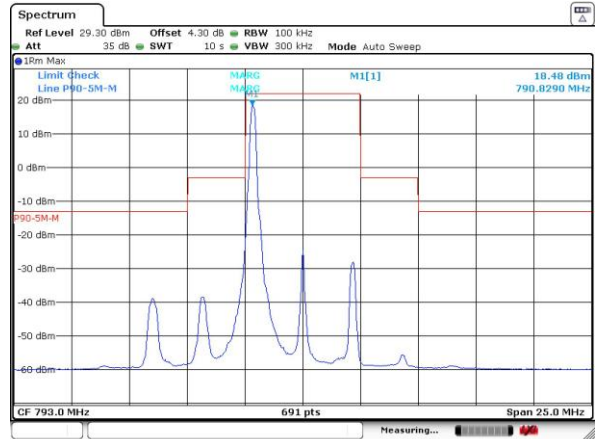


LTE Band 14/ 5MHz

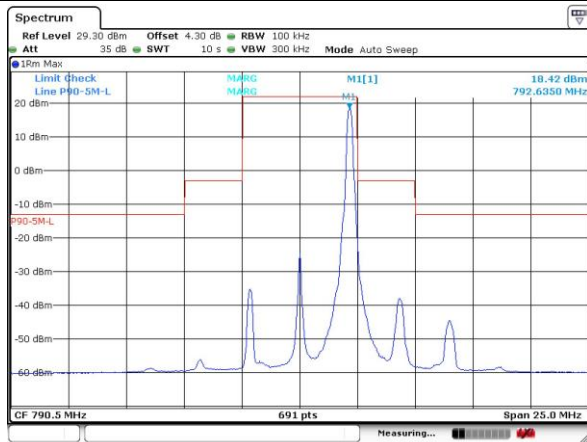
Lowest Channel / 1RB0 / 64QAM



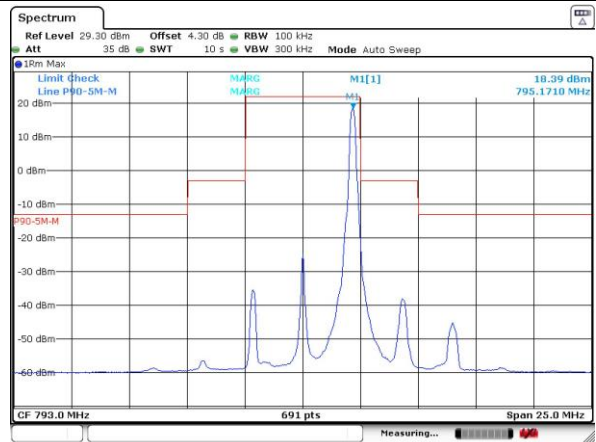
Middle Channel / 1RB0 / 64QAM



Lowest Channel / 1RBmax / 64QAM



Middle Channel / 1RBmax / 64QAM



Lowest Channel / fullRB0 / 64QAM



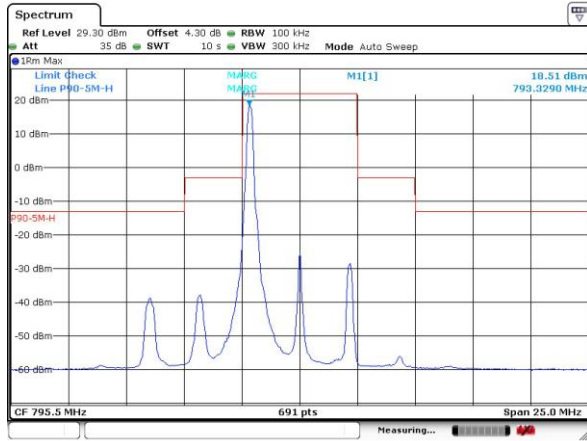
Middle Channel / fullRB0 / 64QAM



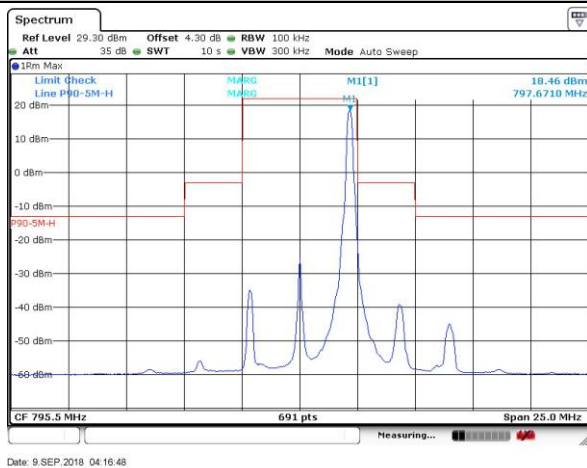


LTE Band 14/ 5MHz

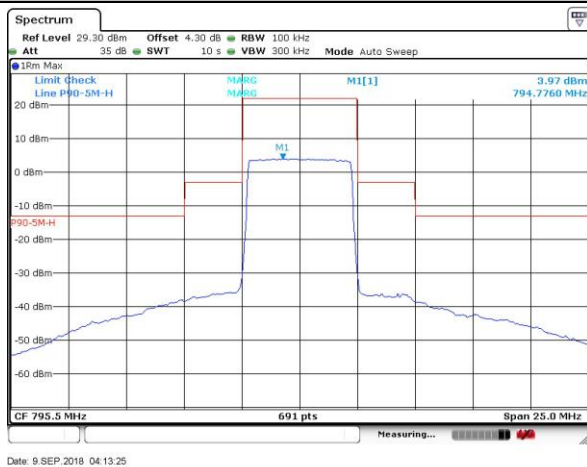
Highest Channel / 1RB0 / 64QAM



Highest Channel / 1RBmax / 64QAM



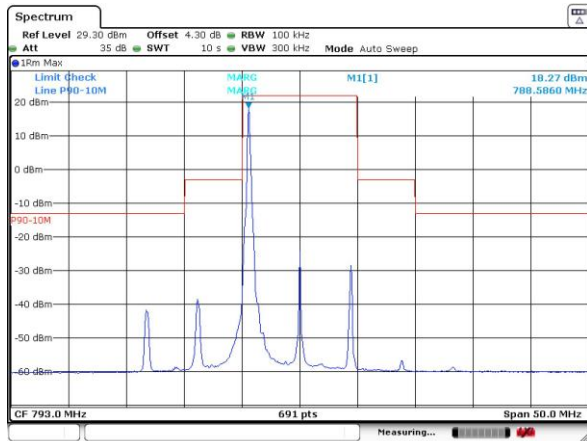
Highest Channel / fullRB0 / 64QAM





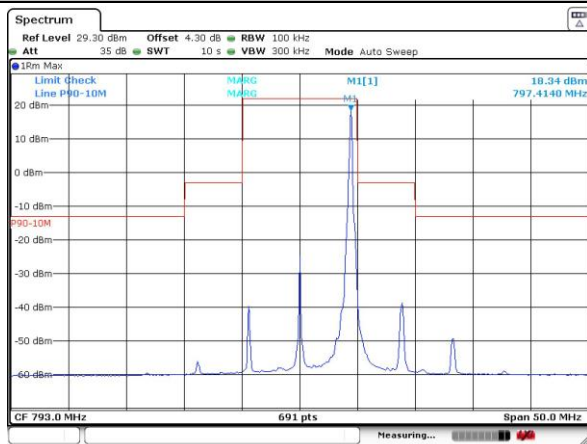
LTE Band 14/ 10MHz

Middle Channel / 1RB0 / 64QAM



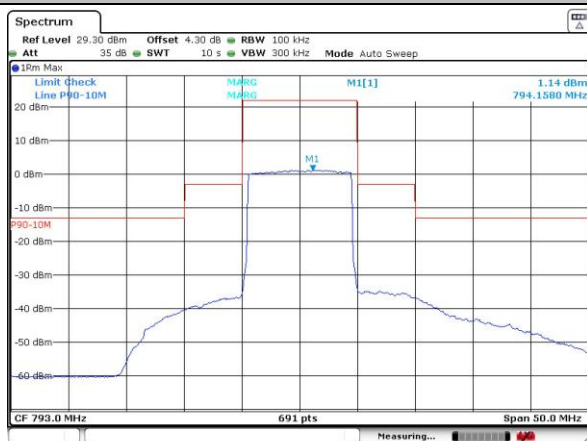
Date: 9 SEP 2018 03:54:20

Middle Channel / 1RBmax / 64QAM



Date: 9 SEP 2018 03:53:35

Middle Channel / fullRB0 / 64QAM



Date: 9 SEP 2018 03:57:31

Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

**Appendix B. Test Results of ERP/EIRP and Radiated Test****ERP**

LTE Band 14 / 5MHz (Average) (GT - LC = -3.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.26	0.2118	17.41	0.0551
Middle		1	0	23.31	0.2143	17.46	0.0557
Highest		1	0	23.33	0.2153	17.48	0.0560
Lowest	16QAM	1	0	22.57	0.1807	16.72	0.0470
Middle		1	0	22.68	0.1854	16.83	0.0482
Highest		1	0	22.77	0.1892	16.92	0.0492
Lowest	64QAM	1	12	21.55	0.1429	15.70	0.0372
Middle		1	12	21.63	0.1455	15.78	0.0378
Highest		1	12	21.56	0.1432	15.71	0.0372
Limit	ERP < 3W			Result		PASS	

LTE Band 14 / 10MHz (Average) (GT - LC = -3.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.34	0.2158	17.49	0.0561
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	22.71	0.1866	16.86	0.0485
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	25	21.58	0.1439	15.73	0.0374
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****Part90R LTE Band 14**

LTE Band 14 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1576	-60.69	-42.15	-18.54	-72.52	-65.83	1.20	8.49	H
	2368	-45.04	-13	-32.04	-61.08	-51.87	1.42	10.39	H
	3152	-58.97	-13	-45.97	-76.33	-66.59	1.58	11.36	H
									H
									H
									H
									H
	1576	-63.75	-42.15	-21.60	-73.88	-68.89	1576	-63.75	V
	2368	-50.05	-13	-37.05	-65.12	-56.88	2368	-50.05	V
	3152	-59.87	-13	-46.87	-76.67	-67.49	3152	-59.87	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.